18) Supply & fixing 50mm dia GI Union with ISI mark etc., Complete as per Specification.

1	1	-	-	1.00
1	1	-	-	1.00
				2.00 Nos
			@	196.83 : 394.00

19) Supply & fixing 50mm dia G.I Nipple with ISI mark etc., Complete as per Specification.

1	3	-	-	3.00
1	3	-	-	3.00
				6.00 Nos
			@	91.77 : 551.00

M. A. R. 57 (Rule 116) No. E 486840
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	20) Supply & delivery at site of brand new best make non-Return valve as per IS 778/1984 with ISI mark & as per its latest amendments 50 mm dia etc., Complete as per Specification.						
		1	-	-	-	1.00	
		1	-	-	-	1.00	
						2.00 Nos	
					@	1033.85	2068.00
	21) Supplying & fixing 50 mm dia GI elbow with ISI mark						

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MEASUREMENT BOOK

Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Complete as per Specification.						
	1	3	-	-	3.00	
	1	3	-	-	3.00	
					6.00 Nos	
					@ 98.37 = 590.00	
Supplying & delivery at site brand new Siemens / Essen or Lotus / Sunshine / Advesh / G.K. Control Box. indigenous make combine energy make cum control panel board unit. minimum mechanically strong Suitable for operation on 3HP 50Hz 380/440 Volts AC Supply with spring loaded latch locking device with a key ribbs should be provided. Control panel						

Accepted

M. A. R. 57 (Rule 116) No. E 486841
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	board unit Suitable for operation on 440 volts AC Shall be Consist etc., board Shall be fabricated in Single unit- in to above component panel board Suitable pump set- 10HP to 20 HP with Star delta Starter ou- door panel board upto 20 HP etc., complete as per Specification					3HP 50HZ 380/	
						1.00 =	
		1	1	-	-	1.00 =	
		1	1	-	-	2.00 Nos	
					@	18477.90 = 36956.00	

Accepted

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
23)	Labour charges for erection, electrification & Comissioning of pumpsets, including aligning & balancing of all items including Supply & erection of pair of supporting clamps, barrell caps, cable clips and water tight gland cable protection, bolts, nuts, valves and gauges & Tools & equipments etc involved in the jobs as per Specification.	1	1	-	-	1.00	
		1	1	-	-	1.00	
						2.00 Jobs	
					@	49.71.44 9943.00	
24)	Labour charges for erection & out-door type (Pole)						

Erection

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	board, and metre board unit with all necessary materials and labour, tools & equipments including providing cement concrete foundation beds etc., complete as per Specification.	1	1	-	-	1.00	
		1	1	-	-	1.00	
		1	1	-	-	2.00 Jobs	
					@	1054.12 2108.00	
25)	Supplying & TPST with Reversible porcelain channels in						

Erection

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sm inclosure 32 amps Complete as per Specifica						
		1	1	-	-	1.00	
		1	1	-	-	1.00	
						2.00	Nos
					@	1583.82	3168.00
26)	Supplying and fixing polished wood board made of not less than 15mm thick planks on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs, screws etc. 20"x20"x2.50" Complete as per Specification.						
		1	1	-	-	1.00	
		1	1	-	-	1.00	
						2.00	Nos
					@	256.93	514.00

Executive

M. A. R. 57 (Rule 116)
Measurement Book

No. E 486843

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
27)	Supplying & fixing 9 LED type panel board indicating lamp with required colour suitable for 230/440 V AC. 50 Hz 12/24 V. D.C Complete as per Specification.						
		1	1	-	-	1.00	
		1	1	-	-	1.00	
						2.00	Nos
					@	378.36	757.00
28)	Supplying fixing & wiring heavy duty low voltage Capacitors conforming to IS 2834, 3 phase 400/440 volts grade for power factor improvement & Scaling						

Executive

Scanned by CamScanner

MEASUREMENT BOOK

Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
machineries like as per the direction	induction motor 2 KVAR & Engineer incharge.				Complete	
	1	1	–	–	1.00	
	1	1	–	–	1.00	
					2.00	Nos
				@	351.96	704.00
Supplying & fixing miniature circuit breakers on existing main board and Type curve, indicating energy Cross-3 with short circuit breaking capacity & 10K & Complete wiring as required conforming to IS 60898 6 to 32 amps complete as per Specification.						
	1	1	–	–	1.00	
	1	1	–	–	1.00	
					2.00	Nos
				@	1509.03	3018.00

Executive

M. A. R. 57 (Rule 116) No. E 486844
Measurement Book

Serial No. _____

Name of work _____ From _____ To _____

Name of Contractor of nature of Agency _____

Date of commencement of work _____

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
30)	Supplying & fixing wiring earth electrode for grounding Conduit Ic cut-outs & their equipments on the meter boards using 40 mm dia 2.90 mm thick GI pipe 2.5 mts long buried in a pit. The pit shall be filled with equal proportions of salt & charcoal upto 15 mm all around the pipe to complete depth the connection from pipe to IC conduit etc., shall be established through GI wire & size as per ISI specification 7.3.3 & 15 732 using 12 mm dia bolt, nuts, washers, check nut, etc., the pipe shall have						

Executive

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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	16 through holes @ 12 mm dia etc., complete as per Specification.	1	1	-	-	1.00	
		1	1	-	-	1.00	
						2.00	Nos
					@	2639.44	5279.00
31)	Supplying & fixing of A class [medium duty] GI pipe wall thickness not less than 3.25 mm on pole / wall / ... crossing with necessary clamping arrangements for ... Cable @ 1.1 KV class 40 mm dia complete as per Specification	1	4	-	-	4.00	
		1	4	-	-	4.00	
						8.00	Rmtr
					@	294.77	2358.00

Accepted

M. A. R. 57 (Rule 116)
Measurement Book

No. E 486345

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
32)	Supplying & 1.1 KV LT UG Cable XPLE or heat resistant pvc insulated P.V.C extruded inner sheath armoured U.G. LT cable as per IS 1554 [part-1] or IS 7098 part-1 armouring strip thickness in average ± 5% and Resistivity 14 ohms or kms [more] as per IS 3975 Complete as per Specification.	1	45	-	-	45.00	
		1	45	-	-	45.00	
						90.00	Rmtr
					@	131.99	11879.00

Accepted

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7	8
33)	Digging of trench 0.6 m deep x 0.50 mtrs wide for re-filling the trench and consolidating etc, complete cutting road Surface in hal- Soil Complete as per Specification					
		1	40	-	-	40.00	
		1	40	-	-	40.00	
						80.00	Rmtr
					@	89.75	7180.00
34)	Labour charges for laying & 1.1 kv class UG cable in existing trench C.I pipe / Stone pipe / on wall / on pole as required 6 sqmm to 16 Sqmm Complete as per Specification.						

Signature

M. A. R. 57 (Rule 116)
Measurement Book

No. E 486846

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	45	-	-	45.00	
		1	45	-	-	45.00	
						90.00	Rmtr
					@	10.45	941.00
35)	Supplying & fixing LT cast iron pot heads suitable for 1.1 kv class UG Cable filled with necessary bitumen / insulating Compound Complete with terminals, clamps, bolts, nuts & washers etc., 16 sqmm						
		1	3	-	-	3.00	
		1	3	-	-	3.00	
						6.00	Rmtr
					@	237.50	1425.00

Signature

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
36)	Supplying & fixing of porcelain fuse Channel with cut-out on existing wooden Panel using necessary nuts, bolts and washers Complete as per Specification.						
		1	3	-	-	3.00	
		1	3	-	-	3.00	
						6.00	Nos
					@	153.10	919.80
37)	cutting of Road Surface for pipeline trenches & disposing of the excavated Stuff as directed including barricading, danger lighting etc., in the following classification. cutting asphalt road						

Excecion

M. A. R. 57 (Rule 116)
Measurement Book

No. E 486847

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Surface complete as per Specifications.						
		1	80	0.225	0.30	5.40	
		1	80	0.225	6.30	5.40	
						10.80	Cum
					@	476.91	5151.00
38)	cutting of Road Surface for pipeline trenches and disposing of the excavated Stuff as directed including barricading, danger lighting etc, in the following classification cutting in Cement Concrete Road Surface						

Excecion

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Complete as per Specification.						
		1	2.25	-	-	2.25	
		1	2.25	-	-	2.25	
						4.50	Rmtr
					@	973.17	4379.00
39)	Supply and delivery all Size & brand new bell-metal gate valve as per IS 778/1948 with its latest amendment Complete as per its latest Specifications	1	1	-	-	1.00	
		1	1	-	-	1.00	
						2.00	each
					@	1047.08	2094.00

Executed

M. A. R. 57 (Rule 116) No. E 486848
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	BESCOM charges	1	1	-	-	1.00	
		1	1	-	-	1.00	
						2.00	each
					@	17158.00	34316.00
					SUB TOTAL	1649724	1649731.00
					GST charges 12%	197967.00	197968.00
					Tender charges 5%		82487.00
					GRAND TOTAL		1930186.00
							1847691=00

28.3.2024

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಕಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ.ಕೃಷ್ಣ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

Executed

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate :-						
	1) Certificate that the work done is Satisfactorily						
	2) There is no depart-mental issued by BBMP						
	Received						
	28.7.21						
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು						
	ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ						
	ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ						
	ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.						

Audited and admitted for Rs. 184769=00

Passed by Cheque for Rs. 177595=00

M. A. R. 57 (Rule 116) Measurement Book

No. E 486849

Serial No.

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

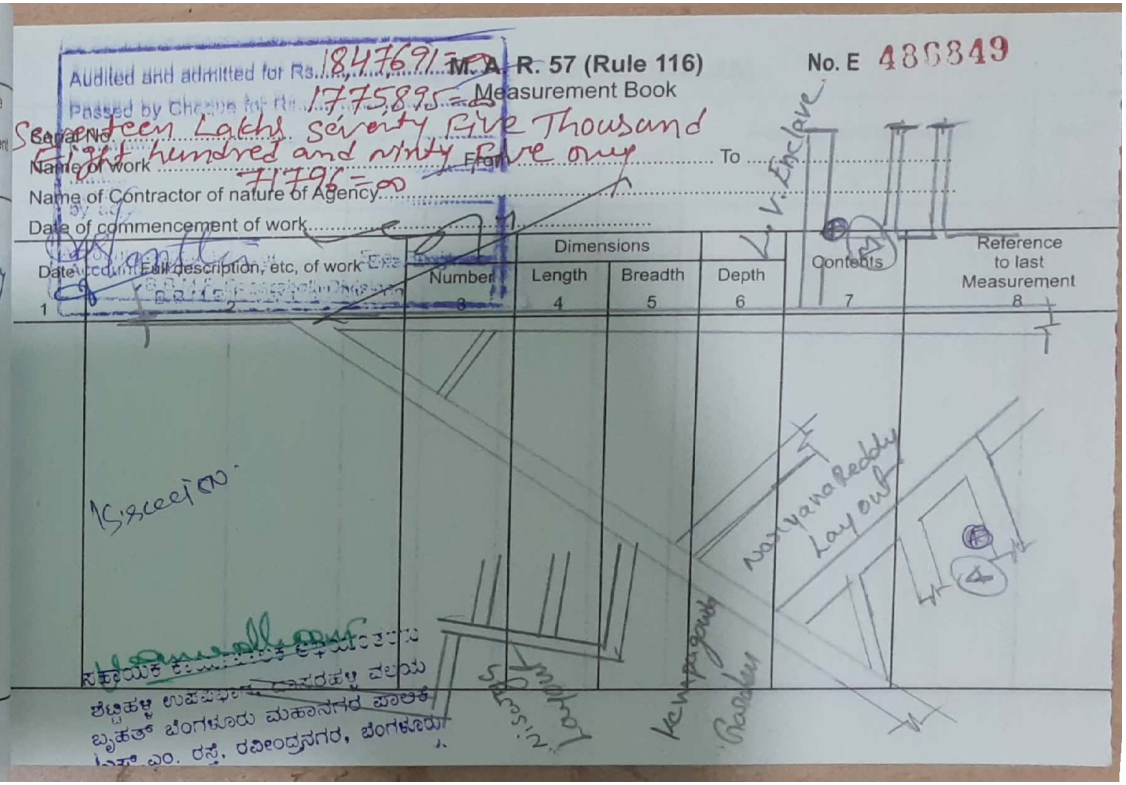
Seventeen Lakhs seventy Five Thousand Eight hundred and ninty Five only

₹1775=00

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Received

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.



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